

REMARKS

Claims 1-2 and 5-17 were examined by the Office, and in the final Office Action of July 1, 2008 all claims are rejected. With this response claims 1 and 17 are amended. Applicant respectfully submits that the amendments to the claims are supported by the specification as originally filed. Support for the amendments can be found at least from page 3, lines 9-22 of the specification as filed. Applicant respectfully requests reconsideration and withdrawal of the rejections in view of the following discussion.

This response is submitted along with a Request for Continued Examination (RCE).

Claim Rejections Under § 103

In section 4, on page 3 of the Office Action, claims 1-2, 5-6 and 10-17 are rejected under 35 U.S.C. § 103(a) as unpatentable over Osano (U.S. Patent No. 6,961,591) in view of Suzuki et al. (U.S. Patent No. 6,430,217). Applicant respectfully submits that claim 1 is not disclosed or suggested by the cited references, alone or in combination, because the cited references fail to disclose or suggest all of the limitations recited in claim 1. Claim 1 is amended to clarify that the band-pass filter component is configured to allow propagation of a radio signal if the radio signal has a frequency lying within one of the frequency ranges of 3MHz to 30 MHz, 535kHz to 1.7 MHz or 70 MHz to 140 MHz. Applicant respectfully submits that the cited references at least fail to disclose or suggest this limitation of amended claim 1.

The Office stated on page 2 of the Office Action that reciting the radio frequency range limitation would help to overcome the cited references if indicated in the claim language. Accordingly, claim 1 is amended to recite particular radio frequency ranges. Therefore, the Office has acknowledged that the cited references fail to disclose or suggest the limitations now incorporated into claim 1. Therefore, for at least this reason, applicant respectfully submits that claim 1 is not disclosed or suggested by the cited references.

Furthermore, Suzuki states that the bandpass filter (33) (BPF) allows frequency components within a speech band, i.e. 300 Hz-3 kHz to pass there through, while rejecting frequency components outside of the band. See Suzuki column 3, lines 18-20. In addition, Suzuki states that the low pass filter (LPF) (46) allows the frequency components with a speech band to pass there through without causing a substantial loss, and a high frequency carrier components of 800 MHz band to bypass to a ground level. See Suzuki column 3, lines 60-63.

However, the band pass filter recited in claim 1 transmits frequencies within a radio frequency range, and suppresses frequencies in the mobile phone and audio frequency ranges, and claim 1 is amended to specifically recite these radio frequency ranges. Therefore, the frequency components within the speech band discussed in Suzuki, i.e. 300 Hz to 3 kHz are not within the radio frequency range. In fact, Suzuki specifically refers to the speech band, and claim 1 specifically states that the audio frequency range, i.e. 20 Hz to 20,000 Hz, is suppressed. Therefore, Suzuki at most discloses the opposite of the limitations recited in claim 1, because in Suzuki frequency components within the speech band are allowed to pass. Osano fails to make up for the deficiencies in the teachings of Suzuki, and therefore for at least the reasons discussed above claim 1 is not disclosed or suggested by the cited references.

Independent claim 17 is amended to contain limitations similar to those recited in claim 1. Therefore, for at least the reasons discussed above in relation to claim 1, claim 17 is not disclosed or suggested by the cited references.

The dependent claims rejected above, and not cancelled, are not disclosed or suggested by the cited references at least in view of their dependencies.

In section 5, on page 7 of the Office Action, claim 7 is rejected under 35 U.S.C. § 103(a) as unpatentable over Osano in view of Suzuki, and in further view of well known Prior Art. Applicant respectfully submits that claim 7 ultimately depends from independent claim 1, and therefore is not disclosed or suggested by the cited references at least in view of its dependency.

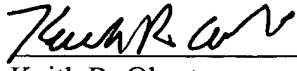
In section 6, on page 8 of the Office Action, claims 8-9 are rejected under 35 U.S.C. § 103(a) as unpatentable over Osano in view of Suzuki, and in further view of Ito (U.S. Patent No. 6,203,344). Claims 8 and 9 ultimately depend from independent claim 1, and therefore application respectfully submits that claims 8 and 9 are not disclosed or suggested by the cited references at least in view of their dependencies.

Conclusion

The rejections of the Office Action having been shown to be inapplicable, withdrawal thereof is requested, and passage to issue of the present application is earnestly solicited. The undersigned hereby authorizes the Commissioner to charge Deposit Account No. 23-0442 for any fee deficiency required to submit this response.

Respectfully submitted,

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